Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-readable medium containing a storage disk device driver architecture for access by a processing system, wherein the architecture comprises:

a RAID class driver including

a first physical device object representing a RAID system comprised of a plurality of disks,

a plurality of functional device objects, each associated with one disk and adapted to interface with a second physical device object representing that disk, wherein each second physical device object provides a RAID-specific device identification, wherein the RAID-specific device identification for each disk of the RAID system is obtained from a CMOS configuration memory.

2. (Currently Amended) The storage disk device driver architecture computer-readable medium of claim 1, wherein the second physical device object providing a RAID-specific device identification is included in a disk controller driver adapted to interface with a disk controller.

3. (Currently Amended) The computer-readable medium of claim 1, wherein the first physical device object representing the RAID system is adapted to provide a standard disk device identification to an operating system.

4. (Previously Presented) The computer-readable medium of claim 1, wherein the RAID class driver is adapted to combine each disk into a RAID system.

5. (Previously Presented) The computer-readable medium of claim 4, wherein in response to receiving a request to write a data block to RAID system, the RAID class driver is adapted to mirror the data block on at least a portion of the plurality of disks via the associated functional device objects.

6. (Previously Presented) The computer-readable medium of claim 4, wherein in response to receiving a request to write a first and second data block to RAID system, the RAID class driver is adapted to write via the associated functional device objects the first data block to a first portion of the plurality of disks and to write via the associated functional device objects the second data block to a second portion of the plurality of disks.

7. (Previously Presented) The computer-readable medium of claim 4, wherein in response to receiving a request to write a first and second data block to RAID system, the RAID class driver is adapted to write via the associated functional device objects an error correction block to a portion of the plurality of disks.

8. (Previously Presented) The computer-readable medium of claim 1, wherein the physical device object representing a RAID system is a child of a RAID controller functional device object adapted to interface with a RAID controller physical device object.

9. (Previously Presented) The computer-readable medium of claim 1, wherein the RAID class driver is adapted to configure the physical device object representing a RAID system according to RAID configuration data stored in a computer system configuration memory.

10. (Previously Presented) The computer-readable medium of claim 1, wherein a first portion of the plurality of disks is associated with a first disk controller of a first type and a second portion of the plurality of disks is associated with a second disk controller of a second type.

11. (Previously Presented) The computer-readable medium of claim 10, wherein the first type is an EIDE type controller and the second type is a SCSI type controller.

12. (Previously Presented) The computer-readable medium of claim 10, wherein the first type is a serial ATA type controller and the second type is a parallel ATA type controller.

13. (Previously Presented) The computer-readable medium of claim 10, wherein the second type is a controller for an external disk.

14. (Previously Presented) The computer-readable medium of claim 1, wherein the RAID class driver is adapted to optimize data access by combining separate data access operations associated with a disk of the RAID system into a single data access operation.

15. (Currently Amended) An integrated circuit adapted to perform core logic functions of a computer, the integrated circuit comprising:

a RAID controller adapted to induce an operating system to load a RAID class driver having a physical device object representing a RAID system comprised of a plurality of disks; and

a first disk controller adapted to interface with at least a portion of the plurality of disks and further adapted to induce the operating system to load a disk controller driver, wherein the disk controller driver is adapted to provide RAID-specific device identifications for the portion of the plurality of disks, wherein the RAID-specific device identifications for the portion of the plurality of disks are obtained from a CMOS configuration memory.

16. (Original) The integrated circuit of claim 15, wherein the physical device object representing the RAID system is adapted to provide a standard disk device identification to an operating system.

17. (Original) The integrated circuit of claim 15, wherein in response to receiving a request to write a data block to the RAID system, the integrated circuit is adapted to mirror the data block on at least a portion of the plurality of disks.

18. (Original) The integrated circuit of claim 15, wherein in response to receiving a request to write a first and second data block to the RAID system, the integrated circuit is adapted to write the first data block to a first subset of the portion of the plurality of disks and to write the second data block to a second subset of the portion of the plurality of disks.

19. (Original) The integrated circuit of claim 15, wherein in response to receiving a request to write a first and second data block to the RAID system, the integrated circuit is adapted to write an error correction block to at least a subset of the portion of the plurality of disks.

20. (Original) The integrated circuit of claim 19, wherein the integrated circuit is adapted to determine the value of an error correction block from the first and second data block.

21. (Original) The integrated circuit of claim 15, wherein the integrated circuit is adapted to configure the physical device object representing a RAID system according to RAID configuration data stored in a computer system configuration memory.

22. (Original) The integrated circuit of claim 15, further adapted to interface with a second disk controller, wherein the second disk controller adapted to interface with at least a second portion of the plurality of disks and further adapted to induce the operating system to load a second disk controller driver, wherein the second disk controller driver is adapted to provide RAID-specific device identifications for the second portion of the plurality of disks.

23. (Original) The integrated circuit of claim 15, further including a second disk controller adapted to interface with at least a second portion of the plurality of disks

and further adapted to induce the operating system to load a second disk controller driver, wherein the second disk controller driver is adapted to provide RAID-specific device identifications for the second portion of the plurality of disks.

24. (Original) The integrated circuit of claim 23, wherein the first disk controller is of a first type and the second disk controller is of a second type.

25. (Original) The integrated circuit of claim 24, wherein the first type is an EIDE type controller and the second type is a SCSI type controller.

26. (Original) The integrated circuit of claim 24, wherein the first type is a serial ATA type controller and the second type is a parallel ATA type controller.

27. (Original) The integrated circuit of claim 24, wherein the second type is a controller for an external disk.

28. (Currently Amended) A method of creating a RAID system comprised of a plurality of disks, comprising:

receiving a RAID-specific device identification for each disk of the RAID system, wherein the RAID-specific device identification for each disk of the RAID system is obtained from a CMOS configuration memory;

binding a RAID-specific functional interface to each disk having a RAID-specific device identification;

combining the disks into a disk object representing the entire RAID system; and

providing the operating system with a standard disk device identification via the disk object.

29. (Previously Presented) The method of claim 28, wherein the RAID-specific device identification is received from one or more disk controllers, wherein each disk controller is adapted to interface with at least a portion of the plurality of disks.

30. (Previously Presented) The method of claim 29, wherein a first disk controller is of a first type and a second disk controller is of a second type.

31. (Canceled)

32. (Previously Presented) The method of claim 28, further comprising initializing the RAID class driver in response to the identification of a RAID controller.

33 . (Previously Presented) The method of claim 32, wherein the RAID controller comprises hardware.

34. (Previously Presented) The method of claim 28, further comprising loading a standard disk driver to interface with the disk object, thereby enabling transparent access to the RAID system.